

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/978,2970

Source: FW16

Date Processed by STIC: 4/8/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 04/08/2005

PATENT APPLICATION: US/09/978,297D

TIME: 13:26:47

Input Set : A:\22716 Sequence Listing.txt

Output Set: N:\CRF4\04062005\I978297D.raw

3 <110> APPLICANT: Yacoby-Zeevi, Oron
 5 <120> TITLE OF INVENTION: METHODS OF AND PHARMACEUTICAL COMPOSITIONS FOR IMPROVING
 6 IMPLANTATION OF EMBRYOS
 8 <130> FILE REFERENCE: 01/22716
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/978,297D
 11 <141> CURRENT FILING DATE: 2001-10-17
 13 <150> PRIOR APPLICATION NUMBER: US 09/260,037
 14 <151> PRIOR FILING DATE: 1999-03-02
 16 <150> PRIOR APPLICATION NUMBER: US 09/140,888
 17 <151> PRIOR FILING DATE: 1998-08-27
 19 <150> PRIOR APPLICATION NUMBER: US 09/046,475
 20 <151> PRIOR FILING DATE: 1998-03-25
 22 <150> PRIOR APPLICATION NUMBER: US 08/922,170
 23 <151> PRIOR FILING DATE: 1997-09-02
 25 <150> PRIOR APPLICATION NUMBER: PCT/US 60/240,037
 26 <151> PRIOR FILING DATE: 2000-10-17
 28 <160> NUMBER OF SEQ ID NOS: 7
 30 <170> SOFTWARE: PatentIn version 3.3
 32 <210> SEQ ID NO: 1
 33 <211> LENGTH: 543
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Homo sapiens
 37 <400> SEQUENCE: 1
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 43 Leu Leu Gly Pro Leu Gly Pro Leu Ser Pro Gly Ala Leu Pro Arg Pro
 44 20 25 30
 47 Ala Gln Ala Gln Asp Val Val Asp Leu Asp Phe Phe Thr Gln Glu Pro
 48 35 40 45
 51 Leu His Leu Val Ser Pro Ser Phe Leu Ser Val Thr Ile Asp Ala Asn
 52 50 55 60
 55 Leu Ala Thr Asp Pro Arg Phe Leu Ile Leu Leu Gly Ser Pro Lys Leu
 56 65 70 75 80
 59 Arg Thr Leu Ala Arg Gly Leu Ser Pro Ala Tyr Leu Arg Phe Gly Gly
 60 85 90 95
 63 Thr Lys Thr Asp Phe Leu Ile Phe Asp Pro Lys Lys Glu Ser Thr Phe
 64 100 105 110
 67 Glu Glu Arg Ser Tyr Trp Gln Ser Gln Val Asn Gln Asp Ile Cys Lys
 68 115 120 125
 71 Tyr Gly Ser Ile Pro Pro Asp Val Glu Glu Lys Leu Arg Leu Glu Trp
 72 130 135 140
 75 Pro Tyr Gln Glu Gln Leu Leu Leu Arg Glu His Tyr Gln Lys Lys Phe
 76 145 150 155 160

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79 Lys Asn Ser Thr Tyr Ser Arg Ser Ser Val Asp Val Leu Tyr Thr Phe
80          165          170          175
83 Ala Asn Cys Ser Gly Leu Asp Leu Ile Phe Gly Leu Asn Ala Leu Leu
84          180          185          190
87 Arg Thr Ala Asp Leu Gln Trp Asn Ser Ser Asn Ala Gln Leu Leu Leu
88          195          200          205
91 Asp Tyr Cys Ser Ser Lys Gly Tyr Asn Ile Ser Trp Glu Leu Gly Asn
92          210          215          220
95 Glu Pro Asn Ser Phe Leu Lys Lys Ala Asp Ile Phe Ile Asn Gly Ser
96 225          230          235          240
99 Gln Leu Gly Glu Asp Tyr Ile Gln Leu His Lys Leu Leu Arg Lys Ser
100          245          250          255
103 Thr Phe Lys Asn Ala Lys Leu Tyr Gly Pro Asp Val Gly Gln Pro Arg
104          260          265          270
107 Arg Lys Thr Ala Lys Met Leu Lys Ser Phe Leu Lys Ala Gly Gly Glu
108          275          280          285
111 Val Ile Asp Ser Val Thr Trp His His Tyr Tyr Leu Asn Gly Arg Thr
112          290          295          300
115 Ala Thr Arg Glu Asp Phe Leu Asn Pro Asp Val Leu Asp Ile Phe Ile
116 305          310          315          320
119 Ser Ser Val Gln Lys Val Phe Gln Val Val Glu Ser Thr Arg Pro Gly
120          325          330          335
123 Lys Lys Val Trp Leu Gly Glu Thr Ser Ser Ala Tyr Gly Gly Gly Ala
124          340          345          350
127 Pro Leu Leu Ser Asp Thr Phe Ala Ala Gly Phe Met Trp Leu Asp Lys
128          355          360          365
131 Leu Gly Leu Ser Ala Arg Met Gly Ile Glu Val Val Met Arg Gln Val
132          370          375          380
135 Phe Phe Gly Ala Gly Asn Tyr His Leu Val Asp Glu Asn Phe Asp Pro
136 385          390          395          400
139 Leu Pro Asp Tyr Trp Leu Ser Leu Leu Phe Lys Lys Leu Val Gly Thr
140          405          410          415
143 Lys Val Leu Met Ala Ser Val Gln Gly Ser Lys Arg Arg Lys Leu Arg
144          420          425          430
147 Val Tyr Leu His Cys Thr Asn Thr Asp Asn Pro Arg Tyr Lys Glu Gly
148          435          440          445
151 Asp Leu Thr Leu Tyr Ala Ile Asn Leu His Asn Val Thr Lys Tyr Leu
152          450          455          460
155 Arg Leu Pro Tyr Pro Phe Ser Asn Lys Gln Val Asp Lys Tyr Leu Leu
156 465          470          475          480
159 Arg Pro Leu Gly Pro His Gly Leu Leu Ser Lys Ser Val Gln Leu Asn
160          485          490          495
163 Gly Leu Thr Leu Lys Met Val Asp Asp Gln Thr Leu Pro Pro Leu Met
164          500          505          510
167 Glu Lys Pro Leu Arg Pro Gly Ser Ser Leu Gly Leu Pro Ala Phe Ser
168          515          520          525
171 Tyr Ser Phe Phe Val Ile Arg Asn Ala Lys Val Ala Ala Cys Ile
172          530          535          540
175 <210> SEQ ID NO: 2

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176 <211> LENGTH: 17
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Synthetic oligonucleotide
183 <400> SEQUENCE: 2
184 ataggcagct gacctga 17
187 <210> SEQ ID NO: 3
188 <211> LENGTH: 24
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Synthetic oligonucleotide
195 <400> SEQUENCE: 3
196 tgacttgaga ttgccagtaa cttc 24
199 <210> SEQ ID NO: 4
200 <211> LENGTH: 24
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Synthetic oligonucleotide
207 <400> SEQUENCE: 4
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211 <210> SEQ ID NO: 5
212 <211> LENGTH: 20
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Synthetic oligonucleotide
219 <400> SEQUENCE: 5
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223 <210> SEQ ID NO: 6
224 <211> LENGTH: 1721
225 <212> TYPE: DNA
226 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 6
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231 agatgctgct gcgctcgaag cctgcgctgc cgccgccgct gatgctgctg ctccctggggc 120
233 cgctgggtcc cctctccctt ggcgcctctg cccgacctgc gcaagcacag gacgtcgtgg 180
235 acctggactt cttcaccacag gagccgctgc acctggtgag cccctcgttc ctgtccgtca 240
237 ccattgacgc caacctggcc acggacccgc ggttcctcat cctcctgggt tctccaaagc 300
239 ttcgtacctt ggccagaggc ttgtctcctg cgtacctgag gtttggtggc accaagacag 360
241 acttcctaata tttcgatccc aagaaggaat caacctttga agagagaagt tactggcaat 420
243 ctcaagtcaa ccaggatatt tgcaaatatg gatccatccc tcctgatgtg gaggagaagt 480
245 tacggttgga atggccctac caggagcaat tgctactccg agaacactac cagaaaaagt 540
247 tcaagaacag cacctactca agaagctctg tagatgtgct atacactttt gcaaactgct 600
249 caggactgga cttgatcttt ggcctaaatg cgttattaag aacagcagat ttgcagtgga 660
251 acagttctaa tgctcagttg ctcctggact actgctcttc caaggggtat aacatttctt 720
253 ggaactagg caatgaacct aacagtttcc ttaagaaggc tgatattttc atcaatgggt 780

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255 cgcagttagg agaagattwt attcaattgc ataaacttct aagaaagtcc accttcaaaa      840
257 atgcaaaact ctatggctct gatgttggtc agcctcgaag aaagacggct aagatgctga      900
259 agagcttcct gaaggctggt ggagaagtga ttgattcagt tacatggcat cactactatt      960
261 tgaatggacg gactgctacc agggaagatt ttctaaaccc tgatgtattg gacattttta    1020
263 tttcatctgt gcaaaaagtt ttccagggtg ttgagagcac caggcctggc aagaagggtct    1080
265 ggtagggaga aacaagctct gcataatggag gcggagcgcc cttgctatcc gacacctttg    1140
267 cagctggctt tatgtggctg gataaattgg gcctgtcagc ccgaatggga atagaagtgg    1200
269 tgatgaggca agtattcttt ggagcaggaa actaccattt agtggatgaa aacttcgatc    1260
271 ctttacctga ttattggcta tctcttctgt tcaagaaatt ggtgggcacc aagggtgtaa    1320
273 tggcaagcgt gcaaggttca aagagaagga agcttcgagt ataccttcat tgcacaaaca    1380
275 ctgacaatcc aaggtataaa gaaggagatt taactctgta tgccataaac ctccataacg    1440
277 tcaccaagta cttgcggtta ccctatcctt tttctaacaa gcaagtggat aaataccttc    1500
279 taagaccttt gggacctcat ggattacttt ccaaatctgt ccaactcaat ggtctaactc    1560
281 taaagatggg ggatgatcaa accttgccac ctttaatgga aaaacctctc cggccaggaa    1620
283 gttcactggg cttgccagct ttctcatata gtttttttgt gataagaaat gccaaagttg    1680
285 ctgcttgcat ctgaaaataa aatatactag tcctgacact g                                1721
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289 <211> LENGTH: 543
290 <212> TYPE: PRT
291 <213> ORGANISM: Homo sapiens
294 <220> FEATURE:
295 <221> NAME/KEY: misc_feature
296 <222> LOCATION: (246)..(246)
297 <223> OTHER INFORMATION: Tyr or Phe
299 <400> SEQUENCE: 7
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306                               20                               25                               30
309 Ala Gln Ala Gln Asp Val Val Asp Leu Asp Phe Phe Thr Gln Glu Pro
310                               35                               40                               45
313 Leu His Leu Val Ser Pro Ser Phe Leu Ser Val Thr Ile Asp Ala Asn
314                               50                               55                               60
317 Leu Ala Thr Asp Pro Arg Phe Leu Ile Leu Leu Gly Ser Pro Lys Leu
318 65                               70                               75                               80
321 Arg Thr Leu Ala Arg Gly Leu Ser Pro Ala Tyr Leu Arg Phe Gly Gly
322                               85                               90                               95
325 Thr Lys Thr Asp Phe Leu Ile Phe Asp Pro Lys Lys Glu Ser Thr Phe
326                               100                              105                              110
329 Glu Glu Arg Ser Tyr Trp Gln Ser Gln Val Asn Gln Asp Ile Cys Lys
330                               115                              120                              125
333 Tyr Gly Ser Ile Pro Pro Asp Val Glu Glu Lys Leu Arg Leu Glu Trp
334                               130                              135                              140
337 Pro Tyr Gln Glu Gln Leu Leu Arg Glu His Tyr Gln Lys Lys Phe
338 145                              150                              155                              160
341 Lys Asn Ser Thr Tyr Ser Arg Ser Ser Val Asp Val Leu Tyr Thr Phe
342                               165                              170                              175
345 Ala Asn Cys Ser Gly Leu Asp Leu Ile Phe Gly Leu Asn Ala Leu Leu
346                               180                              185                              190

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349 Arg Thr Ala Asp Leu Gln Trp Asn Ser Ser Asn Ala Gln Leu Leu Leu
350      195      200      205
353 Asp Tyr Cys Ser Ser Lys Gly Tyr Asn Ile Ser Trp Glu Leu Gly Asn
354      210      215      220
357 Glu Pro Asn Ser Phe Leu Lys Lys Ala Asp Ile Phe Ile Asn Gly Ser
358 225      230      235      240
W--> 361 Gln Leu Gly Glu Asp Xaa Ile Gln Leu His Lys Leu Leu Arg Lys Ser
362      245      250      255
365 Thr Phe Lys Asn Ala Lys Leu Tyr Gly Pro Asp Val Gly Gln Pro Arg
366      260      265      270
369 Arg Lys Thr Ala Lys Met Leu Lys Ser Phe Leu Lys Ala Gly Gly Glu
370      275      280      285
373 Val Ile Asp Ser Val Thr Trp His His Tyr Tyr Leu Asn Gly Arg Thr
374      290      295      300
377 Ala Thr Arg Glu Asp Phe Leu Asn Pro Asp Val Leu Asp Ile Phe Ile
378 305      310      315      320
381 Ser Ser Val Gln Lys Val Phe Gln Val Val Glu Ser Thr Arg Pro Gly
382      325      330      335
385 Lys Lys Val Trp Leu Gly Glu Thr Ser Ser Ala Tyr Gly Gly Gly Ala
386      340      345      350
389 Pro Leu Leu Ser Asp Thr Phe Ala Ala Gly Phe Met Trp Leu Asp Lys
390      355      360      365
393 Leu Gly Leu Ser Ala Arg Met Gly Ile Glu Val Val Met Arg Gln Val
394      370      375      380
397 Phe Phe Gly Ala Gly Asn Tyr His Leu Val Asp Glu Asn Phe Asp Pro
398 385      390      395      400
401 Leu Pro Asp Tyr Trp Leu Ser Leu Leu Phe Lys Lys Leu Val Gly Thr
402      405      410      415
405 Lys Val Leu Met Ala Ser Val Gln Gly Ser Lys Arg Arg Lys Leu Arg
406      420      425      430
409 Val Tyr Leu His Cys Thr Asn Thr Asp Asn Pro Arg Tyr Lys Glu Gly
410      435      440      445
413 Asp Leu Thr Leu Tyr Ala Ile Asn Leu His Asn Val Thr Lys Tyr Leu
414      450      455      460
417 Arg Leu Pro Tyr Pro Phe Ser Asn Lys Gln Val Asp Lys Tyr Leu Leu
418 465      470      475      480
421 Arg Pro Leu Gly Pro His Gly Leu Leu Ser Lys Ser Val Gln Leu Asn
422      485      490      495
425 Gly Leu Thr Leu Lys Met Val Asp Asp Gln Thr Leu Pro Pro Leu Met
426      500      505      510
429 Glu Lys Pro Leu Arg Pro Gly Ser Ser Leu Gly Leu Pro Ala Phe Ser
430      515      520      525
433 Tyr Ser Phe Phe Val Ile Arg Asn Ala Lys Val Ala Ala Cys Ile
434      530      535      540

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/08/2005
PATENT APPLICATION: US/09/978,297D TIME: 13:26:48

Input Set : A:\22716 Sequence Listing.txt
Output Set: N:\CRF4\04062005\I978297D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 246

VERIFICATION SUMMARY

DATE: 04/08/2005

PATENT APPLICATION: US/09/978,297D

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Input Set : A:\22716 Sequence Listing.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:240